

=> d his

(FILE 'HOME' ENTERED AT 15:30:37 ON 21 MAR 2003)

FILE 'CAPLUS, IMOBILITY, AGRICOLA, AQUASCI, BIOTECHNO, COMPENDEX, COMPUAB, CONF, CONFSCI, ELCOM, EVENTLINE, HEALSAFE, IMSDRUGCONF, LIFESCI, OCEAN, MEDICONF, PASCAL, PAPERCHEM2, POLLUAB, SOLIDSTATE, ADISCTI, ADISINSIGHT, ADISNEWS, ANABSTR, BIOBUSINESS, ...' ENTERED AT 15:32:17 ON 21 MAR 2003

L1           E CHANG JIHOON?/AU  
          4 S E2  
          E KIM JAN?/AU  
          E KIM JANG?/AU  
          E KIM JANG SEONG?/AU  
L2           27 S E2  
          E PARK EUN JEONG?/AU  
L3           50 S E2  
          E YUM JUNG-SUN?/AU  
L4           20 S E1  
L5           26 S E1 OR E5  
          E CHUNG SOO-IL?/AU  
L6           26 S EE8  
L7           1 S E8  
L8           4 S L1 AND L2 AND L3 AND L5  
L9           2 DUP REM L8 (2 DUPLICATES REMOVED)  
L10          10845 S IV36 OR IV37 OR V38 OR KRINGLE  
L11          216 S L10 (S) (HUMAN (A) APOLIPOPROTEIN)  
L12          85 DUP REM L11 (131 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 16:05:07 ON 21 MAR 2003

FILE 'CAPLUS, AGRICOLA, BIOTECHNO, CONFSCI, LIFESCI, PASCAL, ADISCTI, BIOSIS, BIOTECHDS, CIN, DGENE, GENBANK, MEDLINE, PROMT, SCISEARCH, USPATFULL' ENTERED AT 16:10:04 ON 21 MAR 2003

FILE 'STNGUIDE' ENTERED AT 16:10:07 ON 21 MAR 2003

FILE 'CAPLUS, AGRICOLA, BIOTECHNO, CONFSCI, LIFESCI, PASCAL, ADISCTI, BIOSIS, BIOTECHDS, CIN, DGENE, GENBANK, MEDLINE, PROMT, SCISEARCH, USPATFULL' ENTERED AT 16:13:01 ON 21 MAR 2003

FILE 'STNGUIDE' ENTERED AT 16:13:05 ON 21 MAR 2003

## WEST Search History

DATE: Friday, March 21, 2003

Set Name Query  
side by side

Hit Count Set Name  
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES;  
OP=ADJ*

|    |  |      |    |
|----|--|------|----|
| L7 | L6 same (human adj apolipoprotein)                         | 6    | L7 |
| L6 | IV37 or Kiv37 or IV36 or Kiv37 or kv38 or v38 or kringle\$ | 1057 | L6 |
| L5 | CHUNG-SOO-IL .in.  | 5    | L5 |
| L4 | YUM-JUNG-SUN .in.  | 2    | L4 |
| L3 | PARK-EUN-JEONG .in.  | 9    | L3 |
| L2 | KIM-JANG SEONG .in.  | 0    | L2 |
| L1 | chang-jihoon.in.   | 0    | L1 |

END OF SEARCH HISTORY

ACCESSION NUMBER: 1994:571655 CAPLUS

DOCUMENT NUMBER: 121:171655

TITLE: Cloning, expression, and characterization of  
human apolipoprotein(a)  
kringle IV37AUTHOR(S): LoGrasso, Philip V.; Cornell-Kennon, Susan; Boettcher,  
Brian R.CORPORATE SOURCE: Dep. Atherosclerosis Vascular Biology, Sandoz  
Pharmaceuticals Corporation, East Hanover, NJ, 07936,  
USASOURCE: Journal of Biological Chemistry (1994), 269(34),  
21820-7

CODEN: JBCHA3; ISSN: 0021-9258

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A portion of kringle IV37 (KIV37) of apolipoprotein (a), (apo(a)), was polymerase chain reaction-cloned from human liver cDNA. The protein product of this clone was expressed in *Escherichia coli* as a poly histidine fusion protein. Based on recovery of purified fusion apo(a) KIV37 protein expression levels were estd. to be 10 mg/g of *E. coli* cell paste. Mass spectral anal. showed the mol. mass of fusion apo(a) KIV37 to be 12,260  $\pm$  1 daltons. Almost all fusion apo(a) KIV37 was expressed as inclusion bodies and had to be refolded. Fusion apo(a) KIV37 was isolated from the inclusion bodies and purified by lysine-Sepharose affinity chromatog. by eluting with 0.2M  $\epsilon$ -aminocaproic acid. The fusion protein was treated with thrombin to yield a homogeneous, functional